



43rd Poly Royal April 25-26, 1975

Becoming Aware of Our Environment



► The 1975 Poly Royal celebration will get off to a lively start on Friday (Apr. 25) at 10 am in the University Union Plaza. Poly Royal queen Gaile Perry, Cal Poly President Robert E. Kennedy, and Poly Royal Board head Frank Bianchini are among those who will participate in the opening ceremonies.

Last year, more than 110 thousand people attended the two-day "country fair on a campus." Even more are expected to visit the displays, entertainments, and concessions of the 51 instructional departments and many student organizations on campus. The theme of this year's Poly Royal: "Becoming Aware of Our Environment" will be evident in events all over the 375-acre campus core. A listing of major events is shown below:

Friday, April 25

Opening Ceremonies
High School Mathematics Contest
Symphonic Band Concert
Intercollegiate Rodeo
Intercollegiate Baseball
Concert Band Program
Intercollegiate Horse Show
University Singers and
Chamber Orchestra Concert
Student Carnival
Concert Featuring Will Rogers, Jr.

Saturday, April 26

Pancake Breakfast
Soapbox Derby
University Jazz Band Concert
Majors and Minors Vocal Performance
Ragtime Ensemble Concert
Symphonic Band Concert
Intercollegiate Rodeo
Powderpuff Football Game
Barbecue Luncheon
Men's and Women's Glee Clubs Concert
Women's Sextette Vocal Performance
Aquacade
Western Dance

Visitors to the 1975 Poly Royal will park at the edges of the campus and board special shuttle buses (operating each half hour) for trips to the Poultry-Dairy, OH-Beef-Horse, and Poly Canyon areas. The buses will have trained tour guides to provide information and answer questions.

POLY ROYAL STORY . . . (Continued from Page 1)

"An Evening with Will Rogers, Jr." will be a featured event during Poly Royal on Friday (Apr. 25). Rogers will present some of his father's material, including satirical commentary on political, social, and economic happenings of the day, in Chumash Auditorium at 7 pm and 9 pm. Ticket prices are \$1.50 for students and \$2.50 for the public. Will Rogers, Jr. was the oldest son of Will Rogers, Sr. and Betty Blake Rogers. Currently, he is a part-time consultant to the Bureau of Indian Affairs. He has divided his energies between his real estate business in Beverly Hills and his ranch in Tubac, Ariz.

Rodeo teams from Cal Poly and Cal State, Fresno, will continue their nip and tuck battle for dominance of the Western Region of the National Intercollegiate Rodeo Association during the Poly Royal Rodeo on Friday and Saturday (Apr. 25-26). More than 150 Collegiate rodeo performers will compete in the two-day show. Men will be competing in Brahma bull riding, saddle and bareback bronc riding, calf roping, team roping, and steer wrestling. Women's events include break-away roping, barrel racing, and goat tying. The Poly Royal Rodeo is one of 14 in the NIRA Western Region in which contestants are earning points toward regional championships and eligibility for the national competition in Bozeman, Mont. in late June. Admission is by ticket only (reserved seats, \$3 in advance and \$3.50 at the gate; general admission, \$2 for children under 12, \$2.50 for university students, and \$2.75 for all others).

Music will fill the air, almost constantly, during Poly Royal on Friday and Saturday (Apr. 25-26). Musical groups will provide a festival of sound in and around the University Union beginning at 10 am on both days and ending in mid-afternoon. The repertoire will range from classics to ragtime and will include both instrumental and vocal performances. Cal Poly's Symphonic Band will provide music for the opening ceremonies in the University Union Plaza at 10 am on Friday (Apr. 25). The 84-member Symphonic Band also will provide a 12 noon concert in Chumash Auditorium on Saturday (Apr. 26).

Music which has echoed through the hallowed halls of California's missions will be featured in the University Singers' performances at 2:30 pm on Friday (Apr. 26) in Room 220 of the University Union. The University Singers, who will be joined by the Cal Poly Chamber Orchestra, recently completed a concert tour of California missions. The University Jazz Band - Collegians will provide a lively introduction to the musical events on Saturday. Their performance in the University Union Plaza will be followed by the world famous Majors and Minors, barbershop harmonists, and the Collegiate Quartet, with a program of contemporary music.

The Ragtime Ensemble, with a repertoire of music hall selections, will entertain at 11:30 am and 1:45 pm on Saturday (Apr. 26) in the University Union lobby. The oldest musical group on the Cal Poly campus, the Men's Glee Club, will join the Women's Glee Club to bring the musical extravaganza to a close at 2:15 pm on Saturday (Apr. 26) with a concert in Chumash Auditorium. They will be joined by the Women's Sextette.

Farmers from throughout California will test their favorite tractors in the 1975 Poly Royal Tractor Pull on Saturday (Apr. 26). Tractors in top tune-up condition will be pitted against weight in the pull which has become a major attraction at fairs in California in the past two years. The tractor pull features a sled designed by agricultural engineering students which uses a weight transfer mechanism to increase the drawbar load. The competition will begin at 11:30 am on April 26 at the former air strip on the Cal Poly campus. The \$20 entry fee will provide trophies and prize money for the competition. Spectator admission will be free.

BICENTENNIAL SUBJECT OF SPRING HUMANITIES FESTIVAL



The bicentennial of the American Revolution will be the focal point of a 16-day festival which will open on Thursday (May 1) at Cal Poly. The 1975 Arts and Humanities Festival will feature five distinguished lecturers, a readers theater program, two special exhibits from the Smithsonian Institution, and a widely-acclaimed CBS Television film recreating an interview with King George III of England.

Jon M. Ericson (Dean, Communicative Arts and Humanities) said all of the programs planned during the festival will be free and open to the public. Dr. Ericson pointed out that the 1975 festival will be the fourth in an annual series of such events that began in 1972. Earlier festivals have featured classic Italian books and fine arts, the accomplishments of the 14th Century artist and scientist Leonardo da Vinci, and the American motion picture as an art form.

The 1975 festival will open with "America in Words: A Mosaic," a readers theater presentation, at 11 am on Thursday, May 1, in Room 220 of the Julian A. McPhee University Union. Featuring dramatic readings by students under the direction of Melvin White (Speech Communication) it will be presented in cooperation with the university's continuing Arts and Humanities Lecture Series. The opening lecture, "The American Revolution and the Good Society," will be given by Dr. Charles Sellers of the History Department, University of California, Berkeley, on Sunday (May 4) at 8 pm in the Cal Poly Theatre.

Following the lecture, audience members will be invited to view the opening of two Smithsonian Institution exhibits, "The Hand of Man on America" and "Manuscripts of the American Revolution," located in the University Union. A second lecture, also with "The Hand of Man on America" as its theme, will be given by Dr. Roderick Nash, director of environmental studies at the University of California, Santa Barbara, at 8 pm on Monday (May 5) in the Cal Poly Theatre.

Actor Peter Ustinov will recreate King George III for an interview with news commentator Eric Sevareid in the CBS Television film. It will be presented at 7:30 pm on Tuesday (May 6) in the Cal Poly Theatre. James Fitts, Daniel Krieger, and Barton Olsen (all History) will serve as commentators for the film presentation which will be jointly sponsored by the student History Club.

The festival will continue with Dr. Wilbur Jacobs speaking on "The Legacy of the Revolution for the Native American." The history professor from the University of California, Santa Barbara, will speak on Wednesday, May 7, at 7:30 pm in Ag. Eng. 123. Historian Page Smith will report on his current research in a lecture titled "Jefferson and Revolution" which will be presented at 7:30 pm on Wednesday (May 14) in the Cal Poly Theatre. Dr. Smith is professor emeritus of the University of California, Santa Cruz, and is serving as the staff historian of the People's Bicentennial Commission.

The festival at Cal Poly will conclude with a second lecture by Dr. Smith at 11 am on Thursday (May 15) in U.U. 220. Planned in cooperation with the Arts and Humanities Lecture Series, it will be titled "The American Revolution as a People's Movement." The exhibits in the University Union will conclude on Friday (May 16).

Typewritten copy intended for the next issue of Cal Poly Report must be received prior to 12 noon on Friday (Apr. 25) in the Public Affairs Office, Adm. 210. Copy intended for Cal Poly Dateline is due in the Public Affairs Office by 12 noon on Tuesday (Apr. 22).

► DUERRENMATT'S "PHYSICISTS" WILL PLAY



The Physicist, a play by Friedrich Duerrenmatt, will be presented as the spring dramatic offering next month at Cal Poly. The production, which mixes bizarre comedy and science fiction, will be presented at 8 pm on Thursday, Friday, and Saturday (May 22, 23, and 24) in the Cal Poly Theatre.

Duerrenmatt is a Swiss-German dramatist who has been writing since the age of 24. He is well known for other plays he has written, including The Visit, The Firebugs, and The Marriage of Mr. Mississippi. Director of the campus production will be Michael R. Malkin (Speech Communication) who has performed and directed for university and professional companies in the United States, Canada, England, and India. The performances of The Physicists at Cal Poly are being produced by the Speech Communication Department.

General admission prices for all three performances will be \$2 for adults and \$1 for students. Tickets will be sold in advance at the ticket office in the University Union and prior to curtain time each evening at the theatre box office. Further ticket information can be obtained by telephoning the drama office at Ext. 2486.

► LOUGHRAN WILL ASSIST IN STATEWIDE PROGRAM

Bernice B. Loughran (Head, Art) who has been at Cal Poly since 1958, will be one of three women who head art departments at three campuses of The California State University and Colleges, who will participate in joint speaking engagements this month and in May as part of the Chancellor's Special Lecture Series. The three will travel to California State University campuses at Chico, San Diego, Dominguez Hills, and Bakersfield. Although their lecture subjects differ, their theme is the same: "Women in Art."

Dr. Loughran's subject will be titled, "Four Outstanding Women Artists of the Twentieth Century." The other speakers and their topics are: Professor Kathleen Rogers Cohen, San Jose State University, "Images of Women in Art: Goddess, Witch and Mortal;" and Professor Diane Divelbess, California State Polytechnic University, Pomona, "Educating in Art--What is It."

The lectures were begun Apr. 17 at California State University, Chico; Apr. 21 at San Diego State University; May 7 at California State College, Dominguez Hills; and May 12 at California State College, Bakersfield.

Dr. Loughran brings to the lecture series a 27-year career in teaching. She is the author of manuals, filmstrips, articles, and a book, Art Experiences: An Experimental Approach. Her recent paintings include a series of eight large canvases in acrylics utilizing shapes of gulls in flight. The Chancellor's Special Lecture Series includes appearances on the system's 19 campuses of distinguished speakers in a variety of fields, among them art, history, world affairs, and science.

► CRANDALL POOL REOPENS FOR RECREATIONAL SWIMMING

Mary Lou White (Head, Women's Physical Education) has announced that Crandall Pool is now reopened, following repairs and rehabilitation, for recreational swimming. Cal Poly faculty, staff, and students may swim from 5 pm to 6 pm, Monday through Friday; from 12 noon to 1 pm on Wednesday and Friday; and from 2 pm to 4 pm on Saturday and Sunday. Family members are also welcome during the weekend times.

SPECIAL POLY ROYAL HOURS & EVENTS AT EL CORRAL

Mary Lee Green (Manager, El Corral) has announced that El Corral Bookstore will be open for the following hours during Poly Royal:

Friday (Apr. 25): 7:45 am to 4:30 pm (Regular Hours)

Saturday (Apr. 26): 10 am to 3 pm

Special events planned to coincide with Poly Royal are special Cal Poly souvenir displays, t-shirts sale and record sale. Also on display in the Mini Art Gallery are the cartoons of Paul Mono, Mustang Daily cartoonist.

► POLY ROYAL CLASS GUIDELINES

Hazel J. Jones (Vice President for Academic Affairs) reminds all faculty members of guidelines relative to Poly Royal which have been in effect for a number of years. They provide that classes scheduled during Poly Royal period from 12 noon, Thursday (Apr. 24) through Saturday (Apr. 26) will not meet as scheduled. Although classes will not be held, all students and staff are expected to participate fully in preparation of and participation in the Poly Royal exhibits and events. These days are not academic holidays.

► PHOTOGRAPHY EXHIBIT AT VISTA GRANDE

An exhibit consisting of 55 photographs by students in the advanced, creative, and color photography classes of the Journalism Department, are on display this quarter in the lobby of Vista Grande Restaurant. A variety of techniques are studied and applied in the three classes in an effort to communicate to the viewer. Helen M. Kelley (Journalism) photography instructor of the classes, explains that emphasis in the advanced class is placed upon technique to produce quality black and white photographs that communicate the photographer's statement. Emphasis in the color class is placed upon reproducing the color of the original subject matter in the color print.

The creative class emphasis is upon choosing and mastering creative techniques that allow the photographer self-expression and communication through abstract presentation. Students who, along with Mrs. Kelley and Vikrum Savara (El Corral Bookstore) designed and set up the exhibit, were Kenneth Chen, David Abrahams and Mitri Muna.

► SPECIAL FACULTY-STAFF PARKING FOR POLY ROYAL

Faculty and staff are reminded that parking on campus will be restricted on both Friday and Saturday (Apr. 25 and 26). Parking lots at the Food Processing building, between the Home Economics-Math building and Agriculture building, adjacent to the English wing of the Agriculture building, the Gymnasium, and Agricultural Engineering building will be closed because of Poly Royal exhibits located in the lots.

Faculty and staff arriving on campus prior to 8 am on Friday will be able to park in the remaining open lots on the campus inner core; however, access to the lots will be restricted after 8 am and those leaving during the day will be unable to return to inner campus parking lots.

► COMPUTER ASSISTED TEST CONSTRUCTION ANNOUNCED

SOCRATES is a system for computer-assisted test construction, designed as an aid to the instructor in the preparation of student exercises to be used as examinations, drill, homework, or in support of self-paced instruction. The exercises are drawn from computerized banks of test items, each bank corresponding to a subject-matter area.

SOCRATES was developed by The California State University and Colleges through a joint effort of the Office of New Program Development and Evaluation and the Division of Information Systems. Central item banks are maintained and test requests are processed at the State University Data Center in Los Angeles. This service is made available to all C.S.U.C. faculty members through the communication links (either by courier or by cable or both) between the State University Data Center and all nineteen campuses of the system.

The banks of test items currently include only the following categories: Astronomy, Biology, Chemistry, Counseling and Guidance, Data Processing, Economics, F.C.C. Review, Mathematics, Physics, Psychology, Test and Measurements, and U.S. History. Detailed information as to contents and access of the data bank has recently been received on campus and is available from Luther Bertrando at the Computer Center, Ext. 2005.

► EDISON UNO WILL BE CONVOCATION SPEAKER

Edison Uno of the School of Ethnic Studies at San Francisco State University will be the next speaker in a year-long convocation series on America's ethnic heritage. Dr. Uno, who teaches in the Asian-American Studies Department at San Francisco State, will speak at 11 am on Thursday (May 1) in the Cal Poly Theatre. Admission will be free and the public is invited to attend.

The program is being presented as part of the University Convocation Series under the combined sponsorship of the university, and Tomo Dachi Kai, a campus organization for Japanese and Japanese-American students. Earlier programs in the 1974-75 series have included American Indian Movement leader Dennis Banks, Chinese-American playwright and author Frank Chin, and black educator and assistant superintendent of public instruction Dr. Kenneth S. Washington.

► CHANCELLOR THANKS KENNEDY FOR HELP

A letter has been received by President Robert E. Kennedy from Chancellor Glenn S. Dumke stating as follows:

"Thank you for your letter of March 20, forwarding the Academic Senate's resolution in support of the International Programs. The resolution has been forwarded to Governor Brown as you requested. Thank you also for your personal support of the programs, both as expressed in your cover letter and in your statement before the Board of Trustees. I sincerely hope that the question will be resolved favorably, and soon. San Luis Obispo has always been a very strong contributor to the programs, and I am grateful to you all for your continued support."

► HOWARD GRISHAM DIES

Howard Grisham, a plumber in the Plant Operations division, died last Wednesday (Apr. 16) at the age of 58. He is survived by his wife, Cecilia, as well as two sons and two daughters. Mr. Grisham has been an employee at Cal Poly since 1959. Memorial services were held at the Old Mission Church on Saturday (Apr. 19).

WHO . . . WHAT . . . WHEN . . . WHERE ? ? ?

David H. Montgomery (Biological Sciences) just returned from a recent trip to the Orient on Mar. 14-24. His trip included stops at universities in Hawaii, Indonesia, and Japan to plan international scientific meetings in the near future.

Sonja Murray (Women's Physical Education) participated in a program celebrating the nation's Bicentennial on Apr. 20 held at the United Methodist Church in San Luis Obispo. G. Delbert Venerable (Chemistry) was in charge of the program which consisted of a concert of music and poetry commemorating the ride of April 18, 1775 of American religious liberals, Paul Revere and William Dawes, plus additional selections of classical, religious and patriotic music.

N. Larry Meyers (Soil Science) attended the 15th National Soil Judging Contest in College Station, Texas from April 2-10. Cal Poly placed 8th of the 18 teams participating in the national contest.

Walter E. (Walt) Elliott (Physics) was speaker at the March 18 meeting of the Metroplex Science Educators Association in Irving, Texas. Dr. Elliott, acting as special consultant for the Dallas Independent School District, reported on a recent research project entitled "Science and Technology in the Schools of the Future."

Bruce Atwood (Physics) presented a paper last December at the 144th meeting of the American Astronomical Society in Gainesville, Florida. The paper was co-authored with fellow workers at Wesleyan University in Middletown, Connecticut and was titled "Area Scanner Measurements of the Astrometric-Visual Binary Ross 614 and the Unresolved Astrometric Binary BD + 6398."

Dan Bertozzi, Jr. (Business Administration) attended a one-day lecture program covering Antitrust Practice for the Business Lawyer in Oakland on April 12. The program was jointly sponsored by the Continuing Education of the State Bar and the University of California, Berkeley.

Curtis F. Gerald (Computer Science and Statistics) and Daniel F. Stubbs (Head, Computer Science and Statistics) attended the annual meeting of California Education Computing Consortium (CECC) held at Asilomar on April 10-11. This organization is composed of representatives from all segments of higher education in California and has the purpose of exchanging ideas and providing for joint action on computers in higher education.

David W. Hafemeister (Physics) published an extensive review of Energy, Ecology and the Environment, a book authored by R. Wilson and W. J. Jones. The review appeared in the March issue of American Journal of Physics. Some of Dr. Hafemeister's research on the arms race and the energy crisis has previously appeared in this journal.

Donald W. Hensel (History) has just received word that D. C. Heath has published the third edition of the Study Guide for European History in a World Perspective. Dr. Hensel is the sole author of Vol. I and co-author of Vol. II. The first edition was published in 1967.

William E. Krupp and Ian C. Begg (Engineering Technology) participated in an Engineering Technology - Industry interface symposium at Cal Poly Pomona on Apr. 8. Useful information concerning the future of Engineering Technology graduates in industry was disseminated.

Henry Wessels (Art) presented a slide lecture on Crafts Design to the Central Coast Wood Carvers in Morro Bay on Apr. 9.

► SUPPORT STAFF VACANCIES LISTED

Vacant support staff positions have been announced by Robert M. Negranti (Staff Personnel Officer). Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, ext. 2236. Contact the Personnel Office to obtain an application. This university is subject to the requirements of Executive Order 11246 and is an Affirmative Action Employer. All interested persons are encouraged to apply. The positions are:

Clerical Assistant II-B (\$603-\$734/month), Activities Planning Center, Student Affairs Division. Duties & responsibilities include stenographic service for department and student government; typing for Codes & Bylaws Committee; in charge of Mail Box assignments; Year End Reports and checkout; maintains roster of clubs and coded groups; updating and checkout of student Activity Guides; revising Faculty Sponsors Handbook. Requirements: high school education with one year's office experience; typing 45 wpm; shorthand 90 wpm; and must have taken the General Clerical Test. Prefer someone who is a fast and accurate stenographer with ability to get along well with students and staff. Closing date: May 6, 1975.

Clerical Assistant II-A (\$280.50-\$341.00/month), (Half time and temporary, until June 30, 1975), Off-Campus Housing Coordinator's Office, Student Affairs Division. Duties & responsibilities include typing general correspondence; filing and maintaining general office records; reception & referral; assisting On-Campus Housing Program during peak workload periods; assisting in the development of office publicity; assisting with Community Housing information gathering. Requirements: high school education with one year's office experience; typing 45 wpm; and must have taken the General Clerical Test. Closing date: April 29, 1975.

Plumber I (\$1127-\$1243/month), Plant Operations, Business Affairs Division. Typical tasks: installs, maintains, inspects, & repairs all standard plumbing equipment concerned with water, gas, sewage, fire control & some steam & refrigeration; troubleshoot plumbing systems; installs & repairs pumps; maintains the Plumbing Shop; makes rough sketches & estimates labor & materials for minor installations; advises on ordering & storage of all plumbing supplies & equipment; leads & instructs unskilled laborers; and responds to emergency calls as needed. Requirements: completed recognized apprenticeship as Plumber or 3 years as Journeyman Plumber. Education equivalent to completion of 8th grade. High school graduate preferred. Closing date: May 6, 1975.

Custodian (\$616-\$748/month), Custodial Department, Business Affairs Division. Duties and responsibilities include sweeping, scrubbing, mopping, waxing and polishing floors; cleaning classrooms, laboratories, shops, lavatories, locker rooms, blackboards, windows; replaces lamps in light fixtures; unlocks and locks doors and windows; safeguards buildings or equipment from unauthorized use. Requirements: equivalent to completion of 8th grade and one year of experience as a janitor or custodian. Night Shift (10:30 P.M. to 7:00 A.M.). Closing date: April 29, 1975.

Clerical Assistant II-B (\$603-\$734/month), School of Architecture and Environmental Design. Duties and responsibilities include taking dictation, typing, filing, operation of various office machines, working with students and alumni records. Must be able to assist parents, future students and visitors with general information regarding curricula and operations of the School of Architecture and Environmental Design. Requirements: high school education with one year's office experience; typing 45 wpm; shorthand 90 wpm; and must have taken the General Clerical Test. Closing date: April 29, 1975.

► CANDIDATES FOR FACULTY POSITION BEING SOUGHT

Candidates for a position on the faculty of the university are presently being sought, according to Donald L. Shelton (Director, Personnel Relations). Those interested in learning more about the position are invited to contact the appropriate dean or department head. This university is subject to the requirements of Executive Order 11246 and is an Affirmative Action Employer. All interested persons are encouraged to apply. Following is a description of the available position:

Lecturer (\$3,960-\$6,144/Quarter), Psychology Department, School of Human Development and Education. Duties and responsibilities include teaching courses in general psychology, learning, and physiological psychology. Preference given to candidates with a doctorate and prior work experience in academic, clinical, or industrial setting. Position is a leave replacement for Fall with the possibility of an assignment for Spring and Summer Quarter, 1975/76 academic year.

► OFF-CAMPUS POSITION VACANCIES

Information on the administrative position vacancies listed below can be obtained from the Placement Office, Adm. 213, ext. 2501:

California State Polytechnic University, Pomona - Dean of Continuing Education (\$26,656-\$31,188, 12 month). Earned doctorate from a recognized college or university, extensive experience in academic areas related to continuing education, as well as experience in college teaching and administration required; broad general knowledge of educational curricula and evaluation, current knowledge of trends in all areas of continuing education, and ability to communicate and work with people desired. Deadline for application is May 16, 1975.

University of California, Davis - Director of Admissions and Relations With Schools (\$17,436-\$21,204). Graduation from college in a related field and six years of experience in accounting, business administration, economics, operations, research, public administration, statistics or other appropriate field, or an equivalent combination of education and experience, and knowledge and ability essential to the successful performance of the duties assigned the position required. Deadline for application is April 30, 1975.

encouraging notes

April 22, 1975

NSF - Problem Assessment in Science Education. Problem areas include:

- Studies of new and effective ways of maintaining intellectual vitality of college and university faculty members, in the face of levelled-off enrollments and reduced faculty turnover.
- Studies of barriers to implementation of newly developed teaching materials and modes of instruction at the pre-college and post secondary levels, and of ways to overcome these barriers.
- Studies of the current state and/or effectiveness of continuing education for practicing scientists and engineers.
- Studies (supplementing those currently funded by NSF) of barriers to the movement of women and of ethnic minority group members into careers in science and technology.
- Studies of ways to provide science education to persons typically outside the formal education system.

Deadline: none. In requesting further information from NSF, please identify the area(s) of interest. For further information, contact:

Office of Experimental Projects and Programs
National Science Foundation
1800 G Street NW
Washington, DC 20550

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National Geographic Society. Supports basic research and exploration in the sciences. Fields of study include geography, anthropology, archaeology, astronomy, general biology, botany, ecology, ethnology, geology, glaciology, marine biology, mineralogy, oceanography, paleontology, and zoology. In requesting additional information be sure to identify an area of interest. Deadline: none. For further information:

Edwin W. Snider, Secretary
Committee for Research and Exploration
National Geographic Society
17th and M Streets
Washington, DC 20036

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MS. Foundation for Women. The foundation, formed by MS. magazine, supports projects which might not ordinarily receive support from traditional funding sources, and emphasizes practical rather than theoretical experimentation. Of primary interest are projects which encourage the development of women's talents in the arts, business, education, and government; projects which assist female artists, authors, and photographers; and projects which will improve the status, skills, and condition of adults
(continued)

and/or children. No formal application procedure is required. To apply, send an informal description of your project with a sample budget to the address below. Deadline: none.

Ms. Ronnie Eldridge, Executive Director
MS. Foundation for Women, Inc.
370 Lexington Avenue
New York, NY 10017

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Energy Storage and Conversion. The National Science Foundation has announced a program calling for proposals for Applied Research on Energy Storage and Conversion with a deadline of May 22, 1975. Three categories of research will be accepted:

- A. Energy Storage for Photovoltaic Conversion
- B. Energy Storage for Solar-Thermal Conversion
- C. Energy Storage for Wind Energy Conversion

A more detailed description of the program and application forms are available in Administration 317. (NSF 75-16)

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Educational Research for Action. Through this dissemination program, the American Federation of Teachers seeks to encourage research and writing projects related to the major issues facing all levels of education. The program provides grants from \$200 to \$1000 to help support such activities. The major goal of the program is to publish studies, which will provide insights, guidelines, and direction for the solutions to many of the significant educational problems today. Topics of special interest would include these: decentralization and control of schools; use of differentiated staff; paraprofessionals; educational technology; certification of teachers; class size and effects on learning, teacher retention, morale; educational programs in urban centers; the effect of federal money on local education; teacher effectiveness; transfer policies; problems of curriculum, particularly those which have broad implication. Deadline: none. Application materials are available in Administration 318 or may be obtained from:

Dr. Robert D. Bhaerman
Director of Educational Research
American Federation of Teachers
1012 - 14th Street, NW
Washington, DC 20005

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Planning and Evaluating Humanities Curricula. The National Endowment for the Humanities has announced a new program designed to assist colleges and universities in obtaining assistance from the National Board of Consultants. The next deadline for consultants grants proposals is July 1, 1975. Detailed brochure describing the program and including application forms is available from: Assistant to the Director, Division of Education Programs, National Endowment for the Humanities, Washington, DC 20506 (202) 382-5891.



In a letter to Cal Poly President Robert E. Kennedy, the director of the Office of Education of the Department of Health, Education, and Welfare has praised the report of a career education committee Dr. Kennedy chaired for The California State University and Colleges system. The report, entitled "Career Education: Proposals for the Seventies and Eighties," was published last September by the CSUC.

Kenneth B. Hoyt, director of the Office of Career Education, termed the report "an impressive document." He added, "Certainly, it shows that the higher education community in the State of California has, once again, assumed a national leadership role in pointing the direction for involvement of higher education in the total career education movement. As you undoubtedly know, career education has been better accepted at every level of education than it has in the higher education community. At the same time, there is no part of the formal education system where career education is needed more than in the colleges and universities of this nation."

Hoyt urged wider dissemination of the report. "This makes it doubly important that documents such as the one that your committee has produced be generated and disseminated widely throughout the nation. I very much hope that you will find it possible to make nationwide dissemination of this California document. I think it is very much needed at the present time," Hoyt said.

Hoyt's letter to President Kennedy noted that "those institutions that put a conscious career education emphasis in their university activities are most apt to be among those whose enrollments are maintained in a period where college and university enrollments may, on the average, show some decline. I think this is a worthwhile lesson for all institutions of higher education to consider at the present time. I hope that you continue to provide the kind of effective leadership for California and for the nation."

The report includes 25 wide-ranging recommendations that are expected to help shape career education in California during the next two decades and beyond.

The publication reveals results of a systemwide career education survey which was analyzed with the assistance of a \$25,000 grant from the New Program Development and the Evaluation Division of Chancellor Dumke's office. Included is an analysis of the survey results and details on the recommendations of the committee. Copies of the report are available from the Office of the Chancellor, The California State University and Colleges, 5670 Wilshire Boulevard, Los Angeles, California 90036, together with a separate resources handbook developed by the committee's staff. A copy is available in the Faculty Reading Room of the Library.

The committee defined career education in the CSUC system as a "comprehensive educational program of instruction and counseling activities that better enables students to maximize their occupational understandings, skills, and choices in order to obtain, hold, and advance in a job or series of jobs that constitute an occupational-professional career." Committee recommendations encompass seven major areas:

- The Federal and State Perspective and the Role of Business in Career Education
- Career Preparation in the CSUC
- Articulation of Career Education Programs in Postsecondary Education
- Initiating Pre- and In-Service Career Education Programs for Teachers, Counselors, and Administrators
- Cooperative Education
- Continuing Education

This Career Education Supplement to Cal Poly Report will appear from time to time as material warrants. Faculty and staff are encouraged to submit items of general interest in the area of career education for inclusion in future issues.

The report urges that all campuses, as an interim response to the dwindling job market for liberal arts graduates, encourage students to take a complementary minor, concentration, or second major in a professional-occupational field.

Five other recommendations dealing with career counseling, planning, and placement urge stronger student advising programs on campuses.

The report also urges that appropriate instruction in career education be provided for prospective and practicing teachers, counselors, and school administrators.

Results of the survey of current career education practices and career-oriented programs within the system show Cal Poly, San Luis Obispo, as having the highest proportion of student credit units in occupationally-related disciplines. The 19 campuses of the system average 51.1 percent student credit units in occupationally-related disciplines, with Cal Poly, San Luis Obispo, showing the highest proportion of such programs, 73 percent.

Cal Poly also reported the highest number of students involved in internships during the period of the survey--765.

Although there are more than 20,000 career areas in the United States, more than 2.5 million young people graduate or drop out of high school or college each year with no planned career and few marketable skills.

Since the end of the 1960's, the committee observes that going to college has not been enough to guarantee a good job and a rewarding career. The committee urges that further progress in career advising and counseling and close cooperation in placement functions is imperative. One means of comprehensively utilizing resources is a career resources center. The description of the functions of such a center as contained in the report is similar to a proposed career center now being planned at Cal Poly.

"Such a center would have as its major thrust the career development of students, including: self-assessment, analysis of job market information, how to make career choices and translate these into educational goals, and ultimately how to apply for, interview for, and obtain meaningful employment," the committee report states.

Such a center would be neither clinically-oriented nor strictly job information-oriented. Basically, it would be one centralized unit where the student could obtain professional assistance in self-evaluation, explore career options, and examine the educational program to prepare himself for career objectives. Ideally, such a center would be located close to campus counseling and placement centers.

Staff for such a center ought, for the most part, to consist of counseling and placement personnel, including graduate students who would assist the center's professional staff.

The report recommends that teachers, counselors, and school administrators should help students to understand conditions of employment, methods and procedures for obtaining jobs, and factors which help to assure continued employment.

Career preparation steps cited in the report include: preparation for making career decisions, improvement in career and occupational capabilities, cultivation of skills that are generally useful in the world of work, practice of effective work habits, and development of positive attitudes toward work.

The committee report is expected to be a valuable resource for teachers and administrators who are working to improve career education programs at all levels of education in California.